

APG3004A



# Owner's Manual

## 1000W 2 STROKE GENERATOR



READ AND SAVE THESE INSTRUCTIONS!

|                                   |                                          |                                  |
|-----------------------------------|------------------------------------------|----------------------------------|
| HAVE QUESTIONS<br>OR NEED SERVICE | DES QUESTIONS<br>BESOIN D'UNE RÉPARATION | PREGUNTAS O<br>NECESITA SERVICIO |
| DO NOT RETURN<br>TO STORE         | NE PAS RETOURNER<br>AU MAGASIN           | POR FAVOR NO<br>REGRESE A TIENDA |
|                                   |                                          |                                  |
| 888.896.6881                      | 888.896.6881                             | 888.896.6881                     |

[www.allpoweramerica.com](http://www.allpoweramerica.com)

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# 1000 WATT GENERATOR

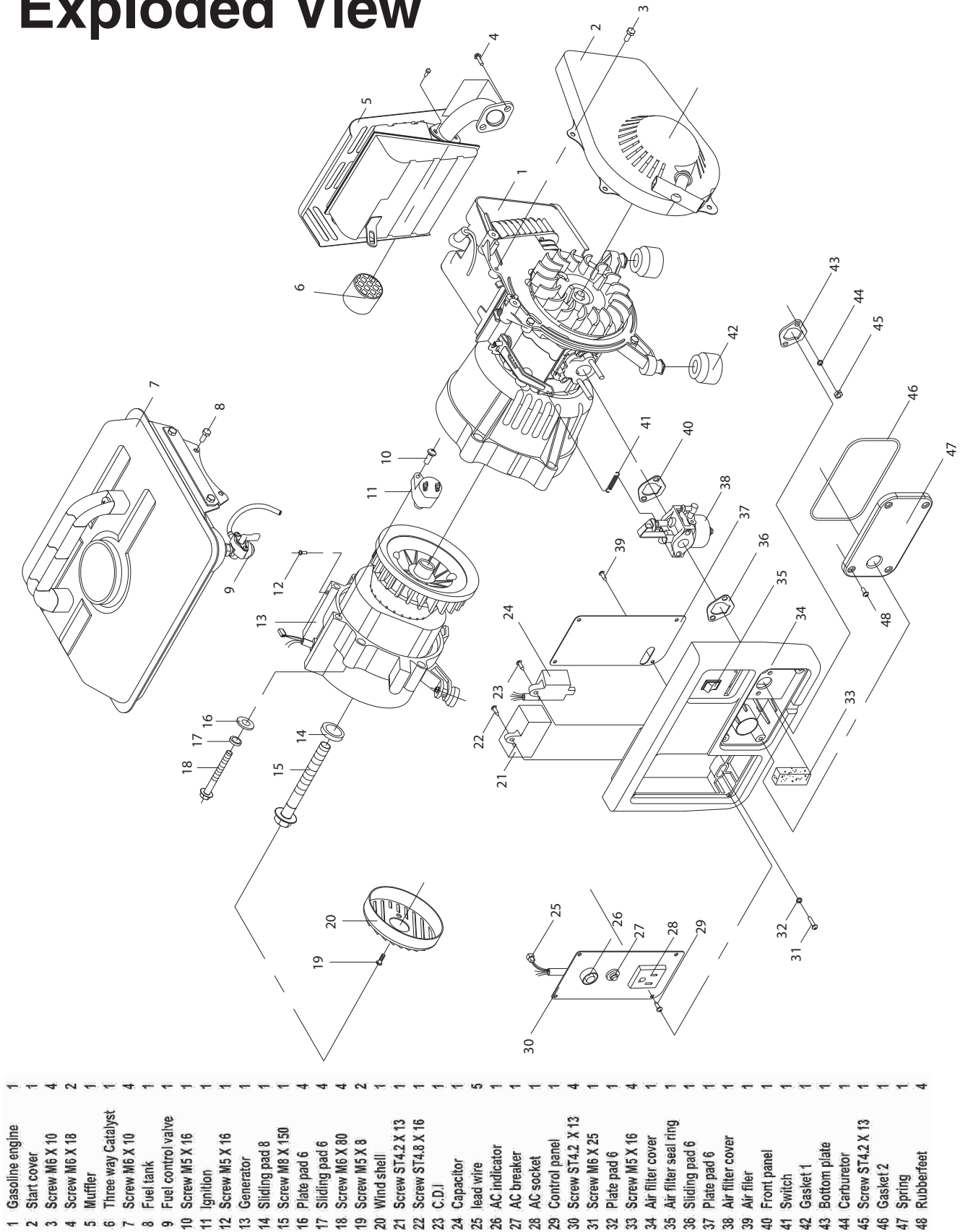
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## Table of Contents

| Topic                    | Page |
|--------------------------|------|
| Exploded View            | 2    |
| Safety Information       | 3    |
| Specifications           | 4    |
| Components               | 5    |
| Starting Your Generator  | 6    |
| Operating Your Generator | 6    |
| Stopping Your Generator  | 6    |
| Maintenance              | 6    |
| Storage                  | 7    |
| Statement                | 7    |
| Trouble Shooting         | 8    |

# 1000 WATT GENERATOR

## Exploded View



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# 1000 WATT GENERATOR

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## Safety Information



### CAUTION

PLEASE READ AND UNDERSTAND THIS MANUAL COMPLETELY, BEFORE OPERATING THIS GENERATOR.

Never operate the engine in an enclosed area, All gasoline engines produce carbon monoxide gas while running. Breathing exhaust fumes can kill. Operate the engine in a well-ventilated area, only.

### Extract from CPSC Document #5008 on Carbon Monoxide

The U.S. Consumer Product Safety Commission (CPSC) has issued the following warning regarding carbon monoxide poisoning:

- Do not use portable heaters or lanterns while sleeping in enclosed areas such as tents, campers, and other vehicles. This is especially important at high altitudes, where the risk of carbon monoxide poisoning is increased.
- Know the symptoms of carbon monoxide poisoning: headache, dizziness, weakness, nausea, vomiting, sleepiness, and confusion. Carbon monoxide reduces the blood's ability to carry oxygen. Low blood oxygen levels can result in loss of consciousness and death
- See a doctor if you or a member of your family develops cold or flu like symptoms. Carbon monoxide poisoning can easily be mistaken for a cold or flu, and is often detected too late.
- Alcohol consumption and drug use increase the effects of carbon monoxide poisoning.
- Carbon monoxide is especially toxic to mother and child during pregnancy, infants the elderly, smokers, and people with blood or circulatory system problems, such as anemia, or heart disease.

### Fuel Is Highly Flammable

DO NOT refuel while engine is running.

DO NOT refuel near sparks or open flame.

DO NOT smoke while refueling.

ALWAYS allow the engine and muffler to cool before refueling.

Refuel ONLY in well-ventilated area.

DO NOT over-fill gas tank

### Engine And Muffler Get Very Hot

Keep flammable materials at least 3 feet from generator.

When in use, place generator in an area where children are not likely to touch it.

### Electric Shock Hazard

DO NOT operate in rain or snow, or next to body of water.

DO NOT touch with wet hands.

Be sure to USE GROUNDED PLUGS with the generator.

DO NOT connect generator to commercial power outlets.

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# 1000 WATT GENERATOR

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## Specifications

| DIMENSIONS |           |
|------------|-----------|
| Length     | 15 in.    |
| Width      | 12 in.    |
| Height     | 14 in.    |
| Weight     | 44.1 lbs. |

| ENGINE                        |                                                 |
|-------------------------------|-------------------------------------------------|
| Type                          | Air cooled 2-stroke                             |
| Fuel                          | Nonleaded gasoline with a minimum of 85% octane |
| Oil                           | Two-stroke lubrication                          |
| Gasoline and oil mixing ratio | <b>40:1 = 3.2oz</b>                             |
| Displacement                  | 63 cc                                           |
| Starting System               | Recoil (Electronic Ignition)                    |
| Driving System                | Direct Coupling, Taper Fit                      |
| Spark Plug                    | BSES                                            |
| Governor                      | Mechanical(Adjustable)                          |
| Lubrication                   | Forced Air                                      |
| Cooling System                | 45 X 40 mm                                      |
| Stroke                        | TWO Stroke                                      |
| Carburetor Type               | Hg63                                            |
| Air Cleaner Type              | Sponge element                                  |
| Compression Rate              | 6                                               |
| Decibel Ratio                 | 80db @ 3.3 ft                                   |
|                               | 65db @ 24 ft.                                   |
| Rated Output                  | 2 HP @ 3600 rpm                                 |
| Fuel Tank Capacity            | 1.2 Gal.                                        |

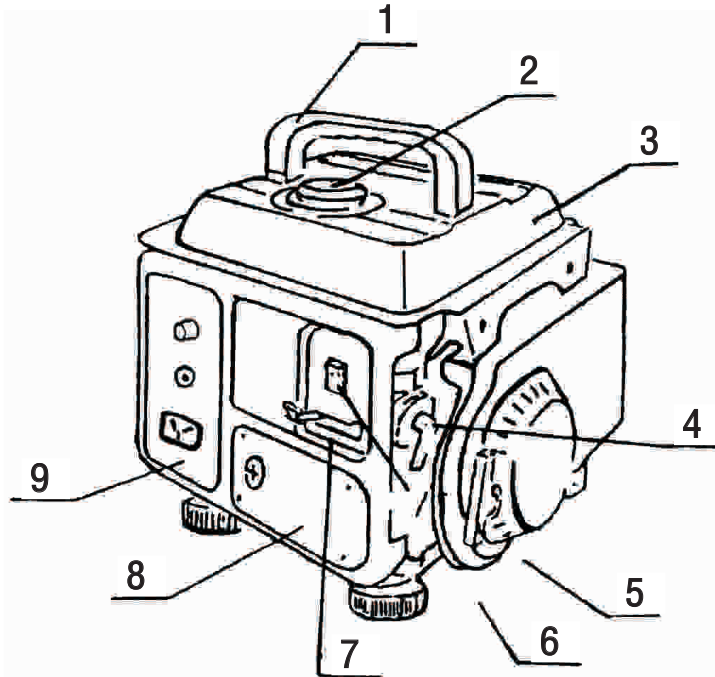
| GENERATOR                    |                |
|------------------------------|----------------|
| AC Output Rating             | 120 Volts      |
| Frequency                    | 60 Hz          |
| AC Current                   | 7 Amps         |
| Rated Output, Continuous     | 850 Watts      |
| DC Output Rating             | 12 Volts       |
| DC Current                   | 15 Amps        |
| Power Factor                 | $\cos\phi = 1$ |
| Steady State Voltage range   | +/- 15%        |
| Steady State Frequency range | Less than 7%   |
| Voltage Waveform Twist Rate  | Less than 25%  |

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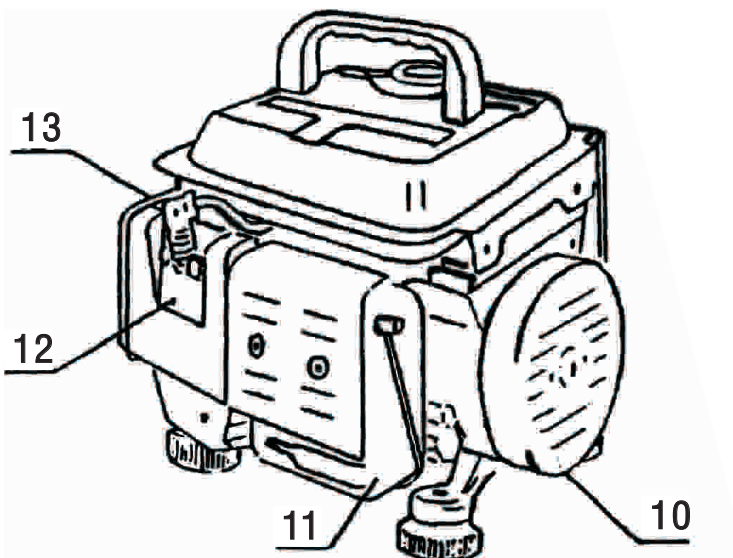
# 1000 WATT GENERATOR

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## Generator Components



- 1. Handle
- 2. Fuel Cap
- 3. Fuel Tank
- 4. Fuel Shut-off
- 5. Recoil Starter
- 6. Engine On-Off Switch
- 7. Throttle Lever
- 8. Air Cleaner
- 9. Control Panel
- 10. Generator
- 11. Muffler
- 12. Cylinder
- 13. Spark Plug



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# 1000 WATT GENERATOR

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## **STARTING THE ENGINE**

1. Disconnect all electric appliances from generator before starting.
2. Turn fuel shut-off lever to "ON".
3. Move Choke lever all the way to the left.
4. Turn engine switch to "ON" position.
5. Pull recoil starter cord slowly until engaged, then pull briskly to start.
6. Once engine has started, move choke lever all the way back to the right.

## **CONNECTING ELECTRICAL APPLIANCES**

Always allow engine to warm up before connecting any electrical load to the generator.

## **STOPPING ENGINE**

1. Turn off all appliances, then disconnect them from the generator.
2. Turn engine Switch to "STOP" position.
3. Turn fuel shut-off lever to "OFF"
4. Allow engine to cool before attempting to move the generator or to refuel.

## **RESETTING BREAKER BUTTONS**

If reset trips, disconnect all external electrical appliances before pushing the reset button. After reconnecting the external electrical appliance, if reset continues to trip that indicates that the electrical lead connected to the generator from one or more of the appliances may have a short circuit. In that event, discontinue use of that item until it has been checked and/or repaired by a qualified technician.

## **PERIODIC MAINTENANCE**

### **Service intervals**

Clean air filter after every 150 hours of run time. (If used in very dusty conditions, clean air filter after every 10 hours of run time)

1. Remove foam filter and wash in mild detergent or dish washing liquid.
2. Rinse thoroughly, than squeeze out excess water.
3. Allow to thoroughly dry at room temperature.
4. Pour a small amount of gasoline in filter element, then squeeze out any excess gasoline.
5. Replace filter.

Clean spark plug every 50 hours of run time.

1. Remove spark plug and clean electrode with wire brush.
2. Reset gap to .028- .031 in. (.7-.8mm)

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# 1000 WATT GENERATOR

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Clean fuel filter every 150 hours of run time.

1. Remove fuel filter from inside fuel tank.
2. Clean with solvent.
3. Wipe dry.
4. Insert filter back in fuel tank.

## **STORAGE**

If the generator will not be used for more than one month, follow the following procedures:

1. Drain all fuel from engine (including fuel tank, fuel cock, and carburetor).
2. Shake tank and drain excess oil.
3. Remove spark plug and pour approximately one (1) tablespoon of motor oil into spark plug hole.
4. Replace spark plug.
5. With ignition switch in "OFF" position, pull starter cord several times until you feel piston is in its compression stroke. (resistance will increase).
6. Cover generator and store in dry, well-ventilated, place.

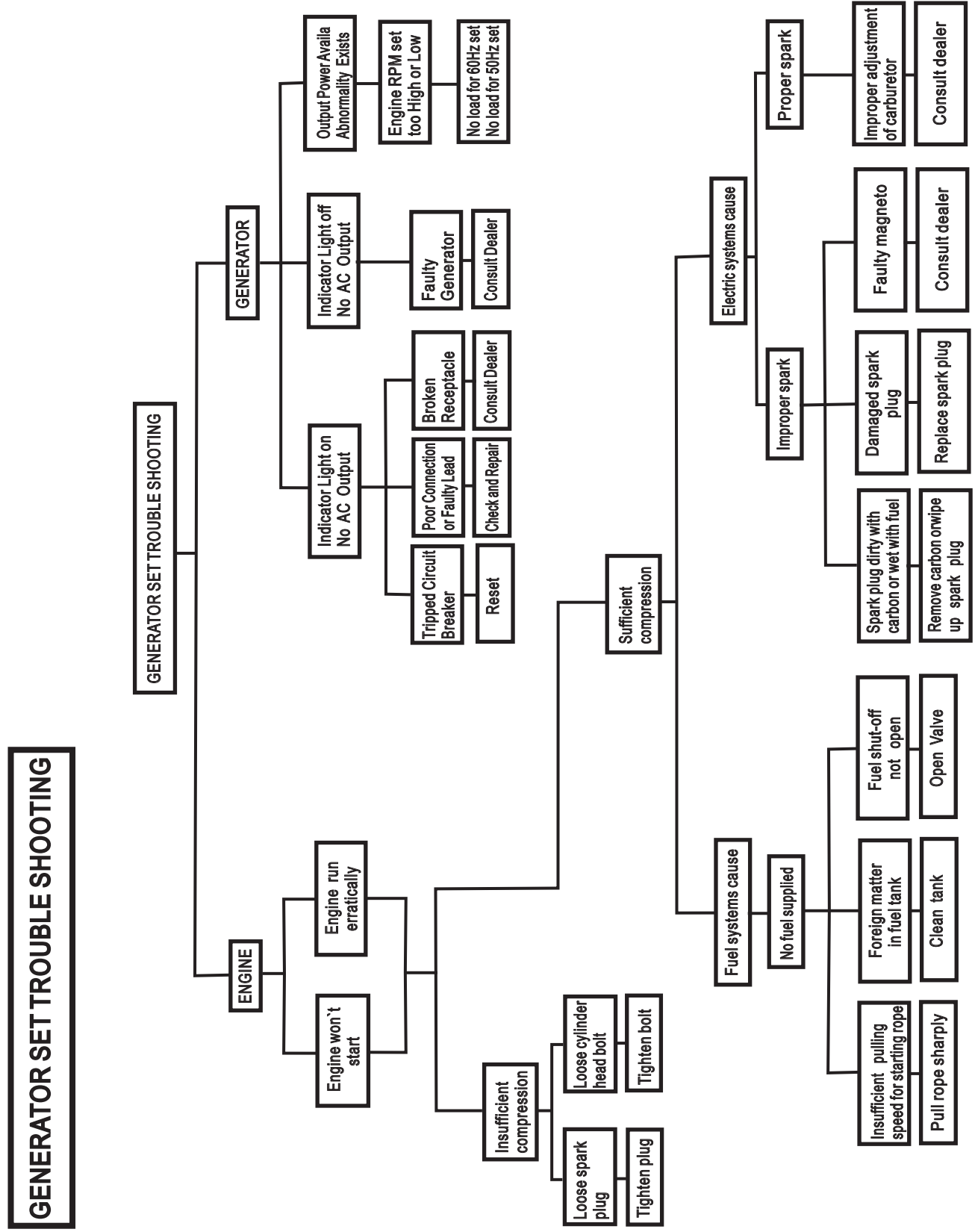
## **STATEMENT**

1. For non-handheld engines: The Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements.

For engines less than 66 cc, Category C=50 hours, B=125 hours, and A=300 hours. For engines equal to or greater than 66 cc but less than 225 cc displacement, Category C=125 hours, B=250 hours, and A=500 hours. For engines of 225 cc or more, Category C=250 hours, B=500 hours, and A=1000 hours.

2. For handheld engines: The Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements. Category C=50 hours, B=125 hours, and A=300 hours.

# 1000 WATT GENERATOR

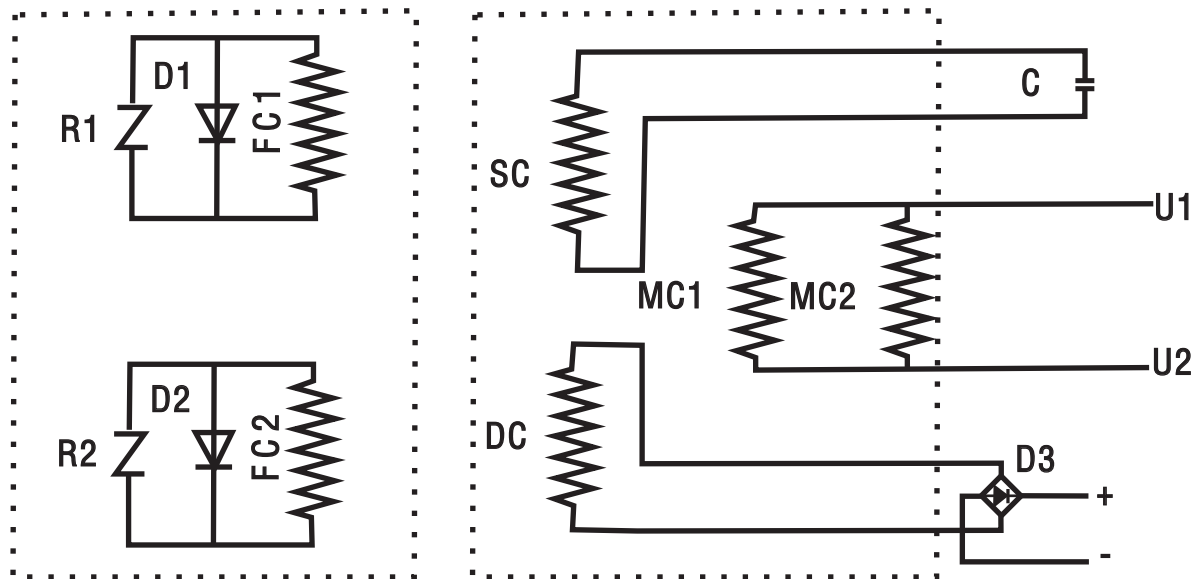


# 1000 WATT GENERATOR

## GENERATOR THEORY DIAGRAM

**Rotor**

**Stator**



R1 > Over Volt Protective  
R2 > Resistance

D1 > Spin Rectifier  
D2 >

FC1 > Rotor Pole Winding  
FC2 >

SC < Stator Auxiliary Winding

DC < Stator DC Winding

MC1 > Stator Main Winding  
MC2 >

C < Capacitor

D3 < Single-phase Rectifier